PNEUMATIC TOOLS SHINANO INC.

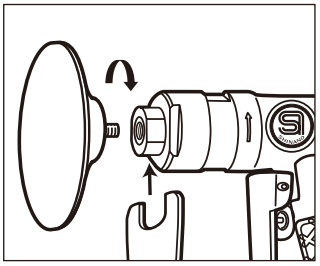
SI-2221 / SI-2224S

INSTRUCTION MANUAL FOR SINGLE ACTION POLISHERS

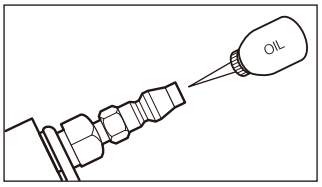
Operation Procedures

1. Connect the coupler to the air inlet ❶.

2. Fix the spindle nut ❷ with the spanner wrench, and secure to mount the special pad thereto.

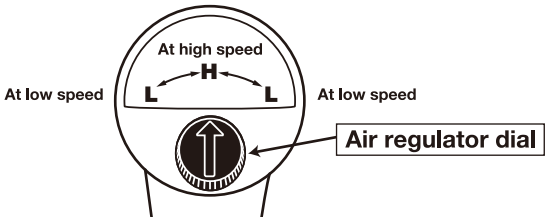


3. Pour approx. 0.5cc (2 to 3 drops) of the oil through the coupler. Connect it to the air hose, and run for 3 to 5 seconds to circulate the oil.



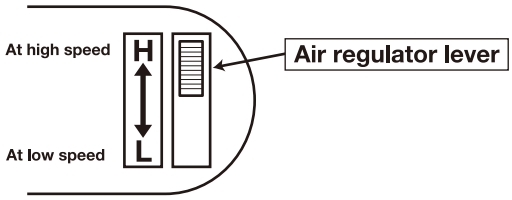
4. Speed can be adjusted by the air regulator ❸.

SI-2221



Adjust the arrow of the air regulator dial to the “H” (high speed) or the “L” (low speed).

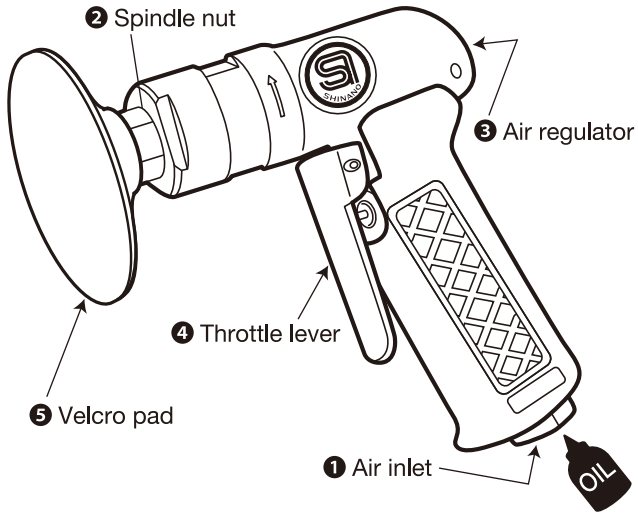
SI-2224S



Adjust the air regulator lever to the “H” (high speed) or the “L” (low speed).

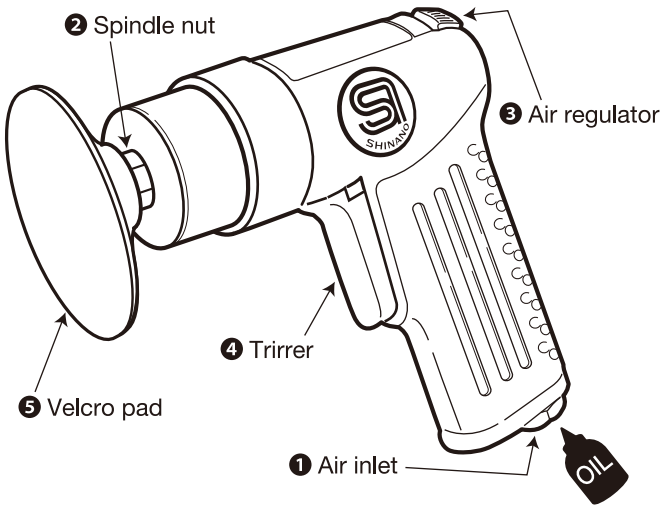
In addition, do fine adjustment by pull variation of the throttle lever or trigger ❹.

SI-2221 **Max. rpm : 4,500 rpm**



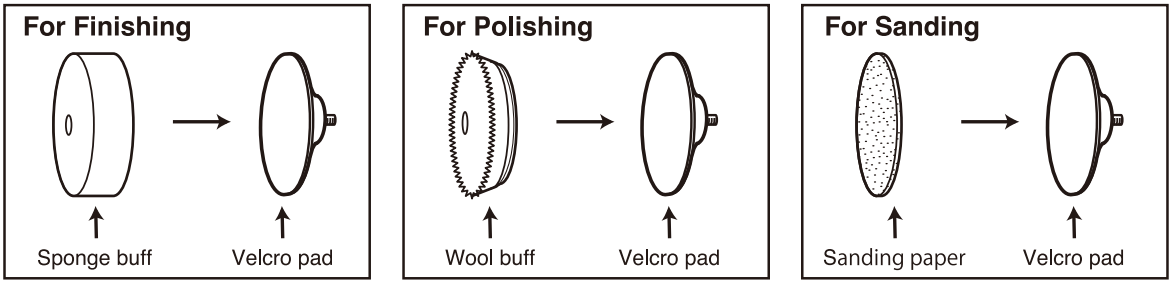
Accessories : 3” Velcro pad (1), ϕ80mm Sponge buff (1), ϕ80mm Wool buff (1), ϕ75mm Sanding paper (1), Spanner wrench (1), Safety instructions (1)

SI-2224S **Max. rpm : 5,000 rpm**



Accessories : 3” Velcro pad (1), ϕ80mm Sponge buff (1), ϕ80mm Wool buff (1), ϕ75mm Sanding paper (1), Spanner wrench (1), Safety instructions (1)

5. For the polishing work, attach a sponge buff or a wool buff to the pad ❺. For the sanding work, attach paper adjusting it to the center.



SI-2221 / SI-2224S

Model Number	Buff Pad Size mm/(in.)	Spindle Size Female	Free Speed rpm	Out Put Watt	Weight kg/(lb)	Noise Level dBA/(power)	Vibration a/k m/s^2	Avg.Air Consumption CFM
SI-2221	75/(3″)	M6×1	4,500	203	0.64/(1.42)	83/(94)	1.4/0.6	2.5
SI-2224S	75/(3″)	M6×1	5,000	270	0.60/(1.32)	83/(94)	1.6/0.6	2.5

Noise levels according to ISO 15744:2008,ISO 11203:2009 Vibration level according to ISO 28927:3

⚠ WARNING

- Be sure to remove the air hose for replacement of buff and paper.
- Be sure firmly and securely to mount the pad.
- Never use the grindstone for this tool.
- For mounting the pad, be sure to remove the used service wrench.
- Vibration will occur to some extent. Avoid continuous operation if possible, and take a rest of 10 minutes per an hour.

⚠ CAUTION

- If the operation proceeds using a tip or a part of the pad, the pad will be broken or tool balance be loosened, when precious polishing can not be secured. Be careful to handle the pad.
- The air tool is a precious tool. Neither throw nor drop the tool, nor give a strong shock thereto. Such incidents will result in failure.
- Operate the tool within the air pressure of 0.63MPa (6.5kg/cm^2). If operated in high pressure, the maximum allowance speed will be exceeded, which may result in damage of components.
- Avoid using it for the other purpose than the usage, and do the forcible operation beyond the abilities.
- Avoid long time idling run or unnecessary idling operation, which will encourage to wear, and result in trouble.
- After operations, be sure to prevent dusts from entering at the air inlet.

AIR SUPPLY

Pressure at the working	**0.63MPa (90PSI 6.3bar)**
Max Hose Length	**10m (30ft)**
Lubrication	**Daily Lubricating oil**

